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NATIONAL BUREAU OF STANDARDS  
Washington 25, D. C.

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(Superseding  
LC860)

Revised to April 13, 1948

STANDARDS AND SPECIFICATIONS  
FOR BUILDING AND CONSTRUCTION MATERIALS,  
FIXTURES, SUPPLIES, AND EQUIPMENT

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GENERAL INFORMATION

Commercial Standards, Simplified Practice Recommendations, Federal Specifications, and Bureau publications for building and construction materials, fixtures, supplies, and equipment are listed herein; and where the price is stated, the publication can be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Publications marked "Free" may be obtained without charge from the National Bureau of Standards, Washington 25, D. C. Federal Specifications are priced at 5 cents per copy except where otherwise indicated. The prices quoted are for delivery to addresses in the United States and its territories and possessions and in certain foreign countries which extend the franking privilege. In the case of all other countries, one-third the cost of the publication should be added to cover postage. Remittances should be made either by coupons (obtainable from the Superintendent of Documents in sets of 20 for \$1.00 and good until used), or by check or money order payable to the "Superintendent of Documents, Government Printing Office" and sent to him with order.

A complete index of current Federal Specifications may be purchased from the Superintendent of Documents at 35 cents per copy.

Series letters with serial numbers are used to designate Bureau publications:

BH = Building and Housing publication      LC = Letter Circular  
 BMS = Building Materials and Structures Reports      M = Miscellaneous Publication  
 C = Circular      R = Simplified Practice Recommendation  
 CS = Commercial Standard

### COMMERCIAL STANDARDS

<u>Title</u>	<u>Series</u>	<u>Price</u>
Blinds; venetian; wood-slat.....	CS 61-37	5¢
Board; structural fiber insulating (third edition).....	CS 42-43	5¢
Burners, domestic, (underfeed type) (for) Pennsylvania anthracite (second edition).....	CS 48-40	5¢
Burners, oil, mechanical-draft, automatic (second edition)	CS 75-42	10¢
Calking lead.....	CS 94-41	5¢
Colors and finishes for cast stone.....	CS 53-35	5¢
Colors for bathroom accessories.....	CS 63-38	5¢
Colors for kitchen accessories.....	CS 62-38	5¢
Compressors, air, tank-mounted.....	CS 126-45	10¢
Convectors, steam and hot water, methods of testing and rating.....	CS 140-47	10¢
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Doors; standard stock Douglas fir (old growth) (third edition).....	CS 73-45	10¢
Doors; pine, (ponderosa) (second edition).....	CS 120-46	10¢
Enameled ware; cast iron, sanitary.....	CS 77-40	5¢
Flooring, oak (second edition).....	CS 56-41	5¢
Furnaces, forced-air, solid-fuel-burning.....	CS 109-44	10¢
Furnaces, gas, floor, gravity circulating type.....	CS 99-42	5¢
Furnaces, oil-burning, floor (equipped with vaporizing pot-type burners).....	CS 113-44	10¢
Furnaces, warm-air (equipped with oil-burners, vaporizing pot-type) (second edition).....	CS 104-46	10¢
Hardware, builders' (nontemplate) (second edition).....	CS 22-40	10¢
Hardware, builders' (template) (second edition).....	CS 9-33	10¢
Hardwood, plywood (third edition).....	CS 35-47	10¢
Heaters (space); oil burning, flue-connected (equipped with vaporizing-pot-type furnace).....	CS 101-43	10¢
Homes; prefabricated (second edition) (mimeographed)...	CS 125-47	Free
Lumber, hardwood dimension (second edition)(mimeographed)	CS 60-48	Free
Lumber, tank stock; cedar, cypress and redwood.....	CS 92-41	5¢

Commercial Standards - cont.

<u>Title</u>	<u>Series</u>	<u>Price</u>
Mineral wool; blankets, blocks, insulating cement, and pipe insulation for heated industrial equipment....	CS 117-44	10¢
Mineral wool; loose, granulated or felted form, in low-temperature installations.....	CS 105-43	10¢
Nipples, pipe; brass, copper, steel, and wrought iron (second edition).....	CS 5-46	5¢
Paneling, solid hardwood, wall.....	CS 74-39	5¢
Pipe, bituminized-fiber; drain and sewer.....	CS 116-44	5¢
Pipe; lead.....	CS 95-41	5¢
Plumbing fixtures, earthenware (vitreous-glazed).....	CS 111-43	5¢
Plumbing fixtures, staple vitreous china (fourth edition)	CS 20-47	10¢
Plywood, Douglas fir (seventh edition).....	CS 45-47	10¢
Plywood; hemlock, western.....	CS 122-45	5¢
Plywood, hardwood (third edition).....	CS 35-47	10¢
Screening, wire; insect.....	CS 138-47	5¢
Shingles, wood (fourth edition).....	CS 31-38	5¢
Stair treads and risers, hardwood.....	CS 89-40	5¢
Tents, cotton fabric, tarpaulins and covers (second edition).....	CS 28-46	5¢
Traps and bends; lead.....	CS 96-41	5¢
Trim and molding; hardwood interior.....	CS 76-39	5¢
Veneers, walnut.....	CS 64-37	5¢
Wall paper.....	CS 16-29	5¢
Wallboard; fiber, homogeneous.....	CS 112-43	5¢

While the supply lasts, mimeographed copies of the above Commercial Standards are available without charge from the National Bureau of Standards, Washington 25, D. C.

# SIMPLIFIED PRACTICE RECOMMENDATIONS

<u>Title</u>	<u>Series</u>	<u>Price</u>
Aggregates, coarse (crushed stone, gravel and slag).....	R 163-39	5¢
Asbestos paper; and asbestos millboard.....	R 19-37	5¢
Asphalt.....	R 4-36	5¢
Asphalt roll roofing and asphalt-and-tar-saturated felt products.....	R 213-45	5¢
Bars, steel, reinforcing.....	R 26-42	5¢
Boilers, range; and ferrous expansion tanks and solar tanks.....	R 8-47	5¢
Boilers, range (non-ferrous).....	R 181-41	5¢
Boilers, steel, heating, horizontal firebox.....	R 157-37	5¢
Brick, common, and rough and smooth face brick.....	R 7	5¢
Brick, paving, vitrified.....	R 1-40	5¢
Brick, sand-lime.....	R 38-37	5¢
Clay sewer pipe and fittings.....	R 211-45	10¢
Conductors, copper; (for building purposes) (mimeog).....	R 180-41	Free
Doors, hollow metal single acting swing; frames and trim.	R 82-28	5¢
Doors, kalamein.....	R 83-28	5¢
Eaves trough, conductor pipe, and fittings, and ridge rolls.....	R 29-42	5¢
Fencing, galvanized woven-wire; and barbed wire.....	R 9-47	10¢
Fittings, pipe, (grey cast iron, malleable iron and brass or bronze).....	R 185-47	5¢
Fittings, solder-joint, cast brass.....	R 212-45	5¢
Forms for concrete joist construction floors.....	R 87-32	5¢
Hardware, builders (nontemplate) (Standards for Builders Hardware are set forth in Commercial Standard CS22-40)	R 18	5¢
Insulating-board, structural (wood or other vegetable fiber).....	R 179-46	5¢
Joists, steel, open web.....	R 94-30	5¢
Lath, metal (expanded and sheet) and metal plastering accessories.....	R 3-44	5¢
Lights; sidewalk, floor, and roof.....	R 49	5¢
Lumber, softwood (includes shingles and mouldings).....	R 16-39	20¢
Nails, wire, copper.....	R 150-34	5¢
Paints, varnishes, and related products (colors and containers).....	R 144-45	5¢
Partitions, metal; for toilets and showers.....	R 101-40	5¢
Pipes, ducts, and fittings for warm-air heating and air conditioning.....	R 207-45	10¢
Pipe, stove, and accessories.....	R 190-42	5¢
Pipe, wrought-iron and wrought-steel; and valves and fittings.....	R 57-32	5¢
Plumbing fixtures, hospital.....	R 106-41	5¢
Radiators, cast-iron.....	R 174-47	5¢
Refrigerator, ice compartment sizes.....	R 109-29	10¢
Roofing, iron and steel.....	R 78-28	5¢
Roofing termes.....	R 30-42	5¢
Screen cloth, insect, wire.....	R 122-31	5¢

Simplified Practice Recommendations - continued.

<u>Title</u>	<u>Series</u>	<u>Price</u>
Shades, cloth, window.....	R 199-43	5¢
Slate, roofing (mimeographed).....	R 14-28	Free
Slate, structural.....	R 13-28	10¢
Steel, sheet.....	R 28-29	10¢
Tacks, cut; and small cut nails.....	R 47-28	10¢
Tanks, storage, hot water (mimeographed).....	R 25	Free
Tile, asphalt.....	R 225-47	5¢
Tile, building, hollow.....	R 12	5¢
Tiles, clay; for floors and walls.....	R 61-44	10¢
Traps, lavatory and sink.....	R 21-46	5¢
Windows, steel, solid section.....	R 72	5¢
Simplified practice, its purpose and application (mimeographed).....	LC 590	Free

Where no price is shown, publications are available in mimeographed form only from the National Bureau of Standards, Washington 25, D. C.



## FEDERAL SPECIFICATIONS

List of Building and Construction Materials, Fixtures, Supplies,  
and Equipment arranged by Commodity Groups

	<u>Specification</u> <u>Symbol</u>
<u>ANIMAL PRODUCTS</u>	
Cushion; carpet and rug, hair-felt.....	C-C-811
Felt; hair.....	C-F-201
Glue; animal (for) woodworking.....	C-G-451
Glue; casein-type, water-resistant.....	C-G-456
Glue; liquid.....	C-G-463
Glue; resin-type (liquid and powder).....	C-G-496

### CABLE AND WIRE

Cable, armored (including lead covered types and armored cord); 0 to 600-volt service.....	J-C-71
Cable, Cord, and Wire; electric, flexible, cotton-covered (general service).....	J-C-86
Cable and Wire; rubber-insulated, building-type (0 to 5000-volt service).....	J-C-103. 10¢
Cable and Wire; rubber-insulated (for) other than building-purposes, superaging-grade (0 to 8000-volt service).....	J-C-121
Cable and Wire; varnished-cloth-insulated (0 to 5000-volt service).....	J-C-138
Cable and Wire; weather-resistant.....	J-C-145

### CANVAS-ARTICLES

Pauliñs and Covers; duck (Tarpaulins).....	K-P-146
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### CHEMICALS

Acid; hydrochloric (muriatic), technical-grade.....	O-A-86
Calcium-chloride; hydrated, technical-grade.....	O-C-106
Fire-Extinguishers; chemical, hand, carbon-tetrachloride type	O-F-351
Fire-Extinguishers; chemical, hand, soda-and-acid type.....	O-F-355
Fire-Extinguishers; hand, portable, foam-type.....	O-F-361
Fire-Extinguishers; hand, portable, pump-tank-type.....	O-F-367
Fire-Extinguishing-Liquid; carbon-tetrachloride base.....	O-F-380
Flux, soldering; paste.....	O-F-506
Paste, linoleum.....	O-F-106

### CLEANING AND POLISHING MATERIALS

Cloth; abrasive, aluminum-oxide.....	P-C-451
Compound; cleaning, soap-abrasive-type (for painted surfaces)	P-C-565
Compound; sweeping.....	P-C-591
Oil, floor; mineral.....	P-C-361
Paper; abrasive, artificial, waterproof.....	P-P-101

# CLEANING AND POLISHING MATERIALS (Cont.)

## Specification Symbol

Paper; flint.....	F-P-111
Paper; garnet.....	P-P-121
Paper; garnet, waterproof.....	P-P-126
Polish; furniture, liquid.....	P-P-552
Polish; metal.....	P-P-556
Powder; scouring (for) floors.....	P-P-591
Powder; scouring (for) highly-polished glass.....	P-P-596
Soap-Powder.....	P-S-606
Soap; toilet, powdered (for) dispensers.....	P-S-626
Soap-Borax-Compound; toilet (for) dispensers.....	P-S-628
Wax, floor; solvent-type liquid (with resins).....	P-W-134
Wax, floor; water-emulsion.....	P-W-151
Wax, general-purpose; solvent-type, liquid and paste (for floors, furniture, etc.).....	P-W-158
Wax, carnauba.....	JJJ-W-141

## COAL AND PRODUCTS

Coke; foundry.....	C-C-571
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## COAL-TAR AND PRODUCTS

Pitch; coal-tar (for) mineral-surfaced built-up roofing	
Waterproofing and dampproofing.....	R-P-381
Tar; (for) joint filler.....	R-T-111
Tars; (for use in) road-construction.....	R-T-143

## COOKING AND HEATING APPARATUS, FURNACES AND OVENS (non-electric)

Forges; portable, coal-burning.....	S-F-571
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## CORDAGE, TWINE, AND PRODUCTS

Cord, sash; cotton, braided.....	T-C-571
Mops; cotton.....	T-M-561

## ELECTRIC-APPARATUS

Bases; cut-out (for) enclosed-cartridge, open-link, and plug-fuses.....	W-B-81
Batteries and Cells; dry.....	W-B-101
Batteries, storage; ignition, lighting and starting.....	W-B-131
Blasting-Apparatus (Machines, blasting; galvanometers and rheostats for testing blasting circuits and machines)...	W-B-411
Boxes and Outlet-fittings, floor; (for) rigid-steel-conduit and electric-metallic-tubing (steel).....	W-B-616
Cleaners, vacuum; electric, portable.....	W-C-421
Clock-Systems; electric.....	W-C-471
Conduit and Fittings; asbestos-cement (for) electrical purposes.....	W-C-571
Conduit and Fittings; fiber, bituminized.....	W-C-581

# ELECTRIC-APPARATUS (Cont.)

## Specification Symbol

Connectors, wire; pressure, solderless (for electric cable and wire).....	W-C-601
Drills; electric, portable (exclusive of high-frequency types)	W-D-661
Electrodes; carbon, amorphous:.....	W-E-441
Fans, electric; bracket and desk types, rigid-blades (for shore use).....	W-F-101.
Fire-Alarm-Systems; electric, manual, coded, positive noninterfering-type.....	W-F-391
Fire-Alarm-Systems; electric, manual, coded, shunt noninterfering-type.....	W-F-396
Fire-Alarm-Systems; electric, manual, noncoded type.....	W-F-398
Fittings; cable and conduit.....	W-F-406
Flashlights; electric, hand (without batteries).....	W-F-421
Fuses; cartridge, inclosed, nonrenewable.....	W-F-791
Fuses; cartridge, inclosed, renewable (fusible links not separately inclosed); and Renewable-Links therefor.....	W-F-803
Fuses; cartridge, inclosed, renewable (fusible links separately inclosed).....	W-F-805
Fuses; plug, nonrenewable.....	W-F-831
Grinders; bench, electric.....	W-G-656
Grinders; electric, portable.....	W-G-663
Heaters, electric; water, storage, domestic.....	W-H-196
Hot-Plates; electric.....	W-H-636
Irons, soldering; electric.....	W-I-681
Lamps; electric, incandescent, large, tungsten-filament.....	W-L-101
Lamps; electric, incandescent, large, tungsten-filament.....	W-L-101 1948Sup
Lamps; electric, incandescent, miniature, tungsten-filament..	W-L-111
Lamps; electric, incandescent, miniature, tungsten-filament..	W-L-111 1948Sup
Lamp-Auxiliaries; fluorescent.....	W-L-131
Lamp-Auxiliaries; fluorescent.....	W-L-131 1942Sup
Lampholders (Sockets); medium-screw-shell, general service...	W-L-142
Lampholders (Sockets); medium-screw-shell, weatherproof.....	W-L-146
Machines, floor-polishing and scrubbing; electric.....	W-M-46
Outlet-Bodies; iron (cast or malleable), cadmium or zinc-coated with covers and accessories (for shore use).....	W-O-806
Outlet-Boxes; steel, cadmium or zinc-coated, with covers and accessories.....	W-O-821
Panelboards; equipped with automatic-circuit-breakers.....	W-P-131
Panelboards; equipped with fuse-connections or switches and fuse-connections.....	W-P-146
Pullers; fuse.....	W-P-796
Raceways and Fittings; metallic, surface.....	W-R-32
Raceways and Fittings; metallic, underfloor.....	W-R-36
Raceways and Fittings; nonmetallic, underfloor.....	W-R-41
Ranges; electric, domestic, cabinet-type.....	W-R-101
Receptacles (convenience-outlets); adapters, attachment-plug-caps, cord-connector-bodies, current-taps, motor-base-plugs, and plug-bodies; 250-volts.....	W-R-151 30¢
Switches; knife, open-type, front- and rear-connected.....	W-S-871
Switches; snap, miscellaneous.....	W-S-890



ELECTRIC-APPARATUS (Cont.)

Specification  
Symbol

Switches; snap, multiple-type and combination-devices, flush-type, with wall-plates .....	W-S-893
Switches; snap, single-unit, interchangeable, flush-type with wall-plates.....	W-S-896
Transformers; distribution, single-phase, 60-cycles (100-KV-A and below; 15,000 volts and below).....	W-T-631 10¢
Units, heating, electric; replacement (for water-heaters, ranges, and hot-plates).....	W-U-546
Watchmen's-Report systems.....	W-W-101

FURNITURE

Beds; hospital.....	AA-B-201
Beds; hospital (adjustable spring bottom).....	AA-B-211
Cabinets; filing, insulated, fire-resisting.....	AA-C-23
Cabinets; stationery, storage, and clothing (steel).....	AA-C-31
Cases; transfer, steel.....	AA-C-121
Chairs; bent-wood.....	AA-C-281
Chairs; folding, metal.....	AA-C-291
Chairs; office, wood.....	AA-C-311 10¢
Chairs; operating, dental, motorless.....	AA-C-326
Chairs, wheel; invalid.....	AA-C-346
Costumers; wood.....	AA-C-556
Cots; folding, canvas.....	AA-C-571
Cots; folding, hospital, steel.....	AA-C-581
Desks; steel.....	AA-D-191
Desks; wood.....	AA-D-201
Furniture and Cabinets; office, sectional, steel.....	AA-F-791 10¢
Furniture and Cabinets; office, sectional, wood.....	AA-F-801
Lockers; clothes, steel.....	AA-L-486
Refrigerators; electric, portable.....	AA-R-211
Safes; burglar-resisting.....	AA-S-71
Safes; insulated.....	AA-S-81
Settees; wood.....	AA-S-256
Shelving; steel, storage.....	AA-S-271
Stands, dictionary.....	AA-S-671
Stools, foot.....	AA-S-691
Stools; wood.....	AA-S-701 10¢
Tables; office, steel.....	AA-T-91
Tables; and Typewriter-Stands, wood.....	AA-T-101
Wardrobes, wood.....	AA-W-131

GENERATORS AND MOTORS

Motors; alternating-current, fractional-horsepower, single-phase and universal.....	CC-M-636
Motors; alternating-current, integral-horsepower.....	CC-M-641 10¢

<u>GLASS AND GLASSWARE</u>	<u>Specification</u>	
	<u>Symbol</u>	
Chimneys and Globes (lamp and lantern); glass.....	DD-C-311	
Glass; flat (for) glazing purpose.....	DD-G-451	
Glass; flat, glazing (for) transmitting not less than 25% of ultra-violet radiation at wave length 302 millimicrons	DD-G-476	
Glasses, gage; reflex and round, tank (for pressures under 125 pounds).....	DD-G-496	
Glasses, gage; round, boiler, (for pressures 125 pounds and over).....	DD-G-511	

#### HARDWARE

Bearings; ball.....	FF-B-171	20¢
Bearings; roller.....	FF-B-186	10¢
Bolts, lag; steel (lag-screws).....	FF-B-561	
Bolts; Nuts; Studs; and Tap-Rivets (and material for same)...	FF-B-571	
Casters; metal-chair.....	FF-C-81	
Casters; truck.....	FF-C-86	
Casters, wood-chair.....	FF-C-91	
Dispensers; soap.....	FF-D-396	
Hardware, builders'; locks and lock-trim.....	FF-H-106	
Hardware, builders'; shelf and miscellaneous.....	FF-H-111	10¢
Hardware, builders'; hinges.....	FF-H-116	10¢
Hardware, builders'; door-closers.....	FF-H-121	
Hardware and Fittings; (for) lavatory partitions and inclosures.....	FF-H-136	
Nails; Spikes; Staples; and Tacks.....	FF-N-101	10¢
Padlocks.....	FF-P-101	
Pins; cotter, split.....	FF-P-386	
Pulleys; eye, single sheave, with attachment for balkan frame, (for) hospitals.....	FF-P-806	
Screws, machine; (including screws, set).....	FF-S-91	
Screws; wood.....	FF-S-111	
Turnbuckles.....	FF-T-791	
Wool; steel.....	FF-W-556	

#### INSTRUMENTS

Boards; drawing.....	GG-B-546	
Clocks; pendulum (for) general purposes.....	GG-C-451	
Clocks; synchronous-motor (for) general purposes.....	GG-C-466	
Gages; pressure, (for) direct-stem-mounting.....	GG-G-66	
Gages; pressure and vacuum (for) air, ammonia, oil, steam, and water.....	GG-G-76	
Gages; sheet-metal, twist drill, and wire.....	GG-G-86	
Hydrometers; syringe (for lead-acid storage batteries).....	GG-H-941	
Instruments; drawing, nickel-silver (first-grade).....	GG-I-531	
Triangles; plastic, transparent.....	GG-T-671	
T-Squares; plastic, wood, and wood-and-plastic.....	GG-T-711	

INSULATING MATERIALSSpecificationSymbol

Brick; fire-clay.....	HH-B-671
Brick; silica.....	HH-B-681
Cement, insulation; thermal, mineral-wool.....	HH-C-168
Cement; silica.....	HH-C-176
Clay; fire, ground.....	HH-C-451
Compound; plumbing-fixture-setting.....	HH-C-536
Cork; compressed (corkboard) (for thermal insulation).....	HH-C-561
Cork; granulated, insulating.....	HH-C-571
Cork-Composition; gasket and sheet.....	HH-C-576
Cotton-Fabric; woven, asphalt-saturated.....	HH-C-581
Cotton-Fabric; woven, coal-tar-saturated.....	HH-C-591
Felt, asbestos; asphalt-saturated, coated, for built-up roofing.....	HH-F-182
Felt, asbestos; asphalt-saturated, uncoated, for flashings, roofing, and waterproofing.....	HH-F-185
Felt; asphalt-saturated (for) flashings, roofing, and waterproofing.....	HH-F-191
Felt; coal-tar-saturated (for) roofing and waterproofing.....	HH-F-201
Filler, expansion-joint, preformed; nonextruding- bituminous-fiber-type (for concrete).....	HH-F-334
Filler, expansion-joint, preformed; nonextruding and resilient-types (for concrete).....	HH-F-341
Gaskets; asbestos-copper, corrugated.....	HH-G-71
Gaskets; asbestos, metallic-cloth.....	HH-G-76
Gaskets; metallic-encased.....	HH-G-101
Gaskets; plumbing-fixture-setting.....	HH-G-116
Gaskets; rubber (natural or synthetic), molded sheet, and strip.....	HH-G-156
Insulation; building, mineral-wool batts, loose-fill and granular-fill.....	HH-I-521
Insulation; cotton batts.....	HH-I-528
Insulation (glass-fiber); semi-rigid.....	HH-I-556
Insulation; laminated-asbestos.....	HH-I-561
Insulation; mineral wool, block and board (for heated surfaces)	HH-I-564
Insulation (vegetable or wood-fiber); blanket, felt, and loose-fill.....	HH-I-571
Insulation, vermiculite; block and pipe-covering (molded)....	HH-I-578
Magnesia; block, cement, and pipe-covering (molded).....	HH-M-61
Millboard; asbestos.....	HH-M-351
Mineral-Wool, impregnated; blanket, block, and pipe-covering (molded), (for low temperatures).....	HH-M-371
Mortar; air-setting, refractory, bonding, (wet and dry types)	HH-M-611
Mortar; heat-setting, refractory.....	HH-M-622
Packing; asbestos, metallic-cloth, sheet and tape.....	HH-P-31
Packing; asbestos, rod, braided.....	HH-P-34
Packing; asbestos, rod, high-pressure.....	HH-P-36
Packing; asbestos, rope and wick.....	HH-P-41
Packing; asbestos, sheet, compressed.....	HH-P-46
Packing; asbestos, valve-stem.....	HH-P-51
Packing; diaphragm.....	HH-P-61

<u>INSULATING MATERIALS (Cont.)</u>	<u>Specification</u> <u>Symbol</u>
Packing; fabric, condenser-tube.....	HH-P-71
Packing; fiber, hard, sheet.....	HH-P-91
Packing; fiber, (animal or plant); sheet (for) lubricating and fuel-oil.....	HH-P-96
Packing; flax, hemp, or cotton.....	HH-P-106
Packing; hydraulic.....	HH-P-112
Packing; jute, twisted.....	HH-P-117
Packing; metallic, flexible.....	HH-P-126
Packing; metallic, flexible, condenser-tube.....	HH-P-128
Packing; metallic and nonmetallic, plastic.....	HH-P-131
Packing; rubber, cloth-insertion.....	HH-P-151
Packing; semimetallic.....	HH-P-166
Packing; spiral, gland, low-pressure.....	HH-P-171
Phenolic-Condensation-Products; laminated (for electric purposes).....	HH-P-256
Pipe-Covering; cork, molded.....	HH-P-381
Pipe-Covering; mineral-wool (molded-type and blanket-type for heated pipes).....	HH-P-387
Refractories; fire-clay, plastic.....	HH-R-191
Tape; friction.....	HH-T-101
Tape; rubber (natural and synthetic), insulating.....	HH-T-111
Tubing; flexible, nonmetallic.....	HH-T-791

#### KNIT GOODS, NETTING, AND WEBBING

Gloves; working, cotton, with-leather-palm.....	JJ-G-451
Hose; fire, linen, unlined.....	JJ-H-571

#### LEATHER AND LEATHER-GOODS

Leather; artificial (upholstery).....	KK-L-136
Leather; upholstery.....	KK-L-291

#### LUMBER

Lumber and Timber; hardwood.....	MM-L-736
Lumber and Timber; softwood.....	MM-L-751

#### LUMBER PRODUCTS

Handles; ash (for) tools.....	NN-H-81
Handles; hickory; striking-tool.....	NN-H-93
Handles; mop.....	NN-H-101
Handles; wood, miscellaneous (for) tools.....	NN-H-106

#### MACHINERY

Air-Conditioning-Units (room-coolers); electric-motor- driven, portable.....	OO-A-361
Coolers, drinking-water; electric.....	OO-C-566



## MACHINERY (Cont.)

## Specification Symbol

Grinders; bench, hand-power.....	00-G-661
Hammers; electric, portable.....	00-H-103
Sanders, portable; belt, disk, and oscillating.....	00-S-101

## METALS

Bars; reinforcement, (for) concrete.....	QQ-B-71
Bases, metal; (for) plaster and stucco construction.....	QQ-B-101
Copper; bars, plates, rods, shapes, sheets, and strips.....	QQ-C-501
Culverts; iron or steel, zinc-coated.....	QQ-C-806
Iron and Steel; sheet, zinc-coated (galvanized).....	QQ-I-716
Lead; calking.....	QQ-L-156
Lead; sheet.....	QQ-L-201
Solder; tin-lead.....	QQ-S-571
Steel; carbon (low-carbon), sheets and strips.....	QQ-S-636
Steel, structural (including welding) and rivet; (for) bridges and buildings.....	QQ-S-741
Steel, Corrosion-Resisting; plates, sheets, strips, and structural-shapes.....	QQ-S-766
Terne-Plate (long-ternes).....	QQ-T-191
Terne-Plate (roofing-tin).....	QQ-T-201
Zinc; plates, sheets, and strips.....	QQ-Z-301

## METAL PRODUCTS

Cloth; wire, screen.....	RR-C-451
Fencing; chain-link or welded.....	RR-F-191
Fencing; wire (barbed, netting, and woven), black and galvanized.....	RR-F-221
Gratings; steel, floor (except for Naval vessels).....	RR-G-661
Rope; wire.....	RR-R-571 15¢
Tile, wall; enameled-iron.....	RR-T-421
Treads; safety, metallic.....	RR-T-661

## MINERALS AND PRODUCTS (nonmetallic)

Acoustic-Materials; (for) plastic application.....	SS-A-111
Acoustical-Units; prefabricated.....	SS-A-118
Aggregate; (for) portland cement concrete.....	SS-A-281
Asphalt; (for) built-up roofing, waterproofing, and dampproofing.....	SS-A-666
Asphalt; cut-back (for) road-work.....	SS-A-671
Asphalt; emulsion (for) road-work.....	SS-A-674
Asphalt; petroleum, type PAF-1-25, (for) joint-filler (Squeegee or pouring method).....	SS-A-696
Asphalt-Primer; (for) roofing and waterproofing.....	SS-A-701
Asphalt; (for use in) road and pavement construction.....	SS-A-706
Brick; building, (common), clay.....	SS-B-656
Brick; concrete.....	SS-B-663
Brick; paving.....	SS-B-671
Brick; sand-lime.....	SS-B-681

MINERALS AND PRODUCTS (nonmetallic) (Cont.)	Specification Symbol
Brick; sewer, clay.....	SS-B-691
Cement; bituminous, plastic.....	SS-C-153
Cements, hydraulic; general specifications (methods for sampling, inspection, and testing).....	SS-C-158 15¢
Cement; Keene's.....	SS-C-161
Cement; masonry.....	SS-C-181
Cements; portland.....	SS-C-192
Cement; portland, pozzolana.....	SS-C-208
Compound, jointing; sulfur (for bell-and-spigot cast-iron pipe).....	SS-C-608
Concrete-Units; masonry, hollow.....	SS-C-621
Crushed-Stone, Crushed-Gravel, and Crushed-Slag; (for) binder-course, sheet-asphalt-pavement.....	SS-C-726
Crushed-Stone, Crushed-Gravel, and Crushed-Slag; (for) bituminous-concrete-base or surface-course.....	SS-C-731
Crushed-Stone and Crushed-Slag; (for) bituminous-macadam- base or surface-course.....	SS-C-736
Crushed-Stone, Crushed-Slag, and Gravel; (for) Bituminous surface-treatment.....	SS-C-741
Crushed-Stone, Crushed-Slag, and Gravel; (for) sewage trickling filter media.....	SS-C-744
Crushed-Stone and Crushed-Slag; (for) waterbound-base or wearing-course.....	SS-C-746
Filler; joint-sealing, hot-poured type (for concrete).....	SS-F-336
Granite-Blocks; recut granite, and durax granite pavements..	SS-G-651
Lime; hydrated (for) structural purposes.....	SS-L-351
Lime; hydraulic, hydrated.....	SS-L-361
Materials; (for) cushion course, brick, stone-block, or wood- block pavements (sand, slag, limestone, screenings, etc.)	SS-M-51
Mineral-Filler; (for) sheet asphalt or asphaltic concrete pave- ments (portland cement, limestone dust and dolomite dust)	SS-M-351
Pipe; asbestos-cement.....	SS-P-351
Pipe; clay, sewer.....	SS-P-361
Pipe; concrete, non-pressure, non-reinforced and reinforced.	SS-P-371
Plaster; gypsum.....	SS-P-402
Plaster-Board; gypsum.....	SS-P-431
Quicklime; (for) structural purposes.....	SS-Q-351
Road and Paving-Materials; general specifications (methods for sampling and testing).....	SS-R-406 30¢
Roof-Coating; asphalt, brushing-consistency.....	SS-R-451
Roofing; asphalt-prepared, smooth-surfaced.....	SS-R-501
Roofing; asphalt and asbestos-prepared, mineral-surfaced....	SS-R-511
Roofing and Shingles; asphalt-prepared, mineral-surfaced....	SS-R-521
Roofing-Slabs; concrete, precast.....	SS-R-531
Sand; (for) cement-mortar-bed; (for) brick, stone-block or wood-block pavements.....	SS-S-51
Sand; (for) grout-filler, brick and stone-block pavements...	SS-S-61
Sand; (for use in) sheet asphalt of bituminous concrete pavements.....	SS-S-71
Sheathing-Board; gypsum.....	SS-S-276
Sheets (corrugated) and Shapes; cement-asbestos.....	SS-S-284
Shingles; roofing, cement-asbestos.....	SS-S-291

MINERALS AND PRODUCTS (nonmetallic)(Cont.)SpecificationSymbol

Siding; cement-asbestos.....	SS-S-346
Slate; roofing.....	SS-S-451
Stone; architectural, cast.....	SS-S-721
Stones; sharpening.....	SS-S-736
Tile; asphalt.....	SS-T-306
Tile; drain; clay.....	SS-T-310
Tile; partition, gypsum.....	SS-T-316
Tile; structural, clay, floor.....	SS-T-321
Tile; structural, clay, load-bearing-wall.....	SS-T-341
Tile; structural, clay, non-load-bearing.....	SS-T-351
Wall-Board; gypsum.....	SS-W-51

PAINTS, PIGMENTS, VARNISHES AND PRODUCTS

Aluminum-Pigment; powder and paste (for paint).....	TT-A-468
Blue-Lead; basic-sulphate, dry and paste-in-oil.....	TT-B-486
Bone-Black; dry (paint pigment).....	TT-B-600
Calcimine (cold- and hot-water-types).....	TT-C-96
Carbon-Black; dry (paint pigment).....	TT-C-120
Chrome-Green; pure, dry (paint pigment).....	TT-C-235
Chrome-Yellow and Chrome-Orange; dry (paint pigment).....	TT-C-290
Chromium-Oxide-Green; dry (paint pigment).....	TT-C-306
Compound, calking; plastic (for masonry and other structures)	TT-C-598
Copper-Phthalocyanine-Blue; dry (paint pigment).....	TT-C-610
Drier; paint, liquid.....	TT-D-651
Enamel; drum-coating, exterior, rust-inhibiting, solvent-resistant.....	TT-E-485
Enamel; heat-resisting (400° F), black.....	TT-E-496
Enamel; interior, gloss, light-tints and white.....	TT-E-506
Enamel; interior, semigloss, tints and white.....	TT-E-508
Enamel; lusterless, olive-drab (Primarily for nonmilitary-use)	TT-E-514
Enamel; pigmented (air-drying and baking), black.....	TT-E-521
Enamel; water-resisting, red.....	TT-E-531
Filler; wood, paste.....	TT-F-336
Indian-Red and Bright-Red; (Iron-Oxide) dry; (paint-pigments).	TT-I-511
Iron-Blue; dry (paint pigment).....	TT-I-677
Iron-Oxide; black, synthetic, dry (paint pigment).....	TT-I-698
Iron-Oxide; brown, synthetic, dry (paint pigment).....	TT-I-702
Lacquer; spraying, clear and pigmented (general use).....	TT-L-58
Lampblack; dry (paint-pigment).....	TT-L-70
Lithopone; dry (paint-pigment).....	TT-L-426
Magnesium-Silicate; dry (paint-pigment).....	TT-M-90
Metallic-Brown; dry (paint-pigment).....	TT-M-251
Mineral-Red (Iron-Oxide), natural; dry (paint-pigments).....	TT-M-381
Ocher; yellow, dry (paint-pigment).....	TT-O-121
Oil; flatting and mixed (for thinning white-lead paste and similar paste paints).....	TT-O-356
Oil; linseed, boiled (for use in organic coatings).....	TT-O-364
Oil; linseed, raw (for use in organic coatings).....	TT-O-369
Oil; soybean; refined (for use in organic coatings).....	TT-O-388
Oil; tung (china-wood), raw (for use in organic coatings)....	TT-O-395



PAINTS, PIGMENTS, VARNISHES AND PRODUCTS (Cont.)

Specification  
Symbol

Oil; linseed-replacement (for thinning paints and pastes in oil).....	TT-O-371
Paint; alkyd resin-emulsion, exterior, paste, tints and white.	TT-P-18
Paint, blue-lead-base; basic-sulphate, linseed-oil, ready-mixed.....	TT-P-20
Paint; cement-water, powder, white and tints (for interior and exterior-use).....	TT-P-21
Paint; cold-water, exterior, powder (with mixing liquid).....	TT-P-22
Paint; cold-water, interior, light-tints and white.....	TT-P-23
Paint; concrete and masonry, exterior, eggshell-finish, ready-mixed, white and tints.....	TT-P-24
Paint; exterior-primer, ready-mixed, white (under-coat for wood).....	TT-P-25
Paint; graphite, outside, ready-mixed, black.....	TT-P-27
Paints; iron-oxide, ready-mixed and semipaste, red and brown	TT-P-31
Paint; oil, exterior, ready-mixed, light-tints and white.....	TT-P-40
Paint; oil, interior, 1-coat-flat, heavy-bodied (for thinning), light-tints and white (combined sealer primer, and finish).....	TT-P-47
Paints; oil, interior, eggshell-flat-finish, ready-mixed and semipaste, light-tints and white.....	TT-P-51
Paint; outside, ready-mixed, medium-chrome-yellow.....	TT-P-53
Paint; primer-sealer (for) plaster and wallboard.....	TT-P-56
Paint; ready-mixed, international-orange.....	TT-P-59
Paint; ready-mixed, black.....	TT-P-61
Paint; ready-mixed, exterior, chrome-green.....	TT-P-71
Paint; ready-mixed, olive-drab.....	TT-P-81
Paint, read-lead-base; linseed-oil, ready-mixed.....	TT-P-86
Paint; resin-emulsion, interior, paste, tints and white.....	TT-P-88
Paint; rubber-base, (for) cement-floors.....	TT-P-91
Paint; traffic, exterior, white and yellow.....	TT-P-115
Paint, Varnish, Lacquer, and related materials; general specification for sampling and test methods.....	TT-P-141 20¢
Paint; varnish-base (for concrete and wood floors).....	TT-P-146
Pigments-in-oil; paint colors.....	TT-P-381
Primer, paint; synthetic (for ferrous metal and wood surfaces)	TT-P-636
Primer, paint; zinc dust-zinc oxide (for galvanized (zinc-coated) or zinc surfaces).....	TT-P-641
Primer-Surfacer; synthetic, tints and white (for metal and wood hospital furniture).....	TT-P-659
Putty and Elastic-Compound; (for) metal-sash-glazing.....	TT-P-781
Putty; pure-linseed-oil, (for) wood sash-glazing.....	TT-P-791
Red-Lead; dry and paste-in-oil.....	TT-R-191
Remover; paint and varnish (organic-solvent-type).....	TT-R-251
Sealer, floor; lacquer-type (for oiled wood floors).....	TT-S-171
Sealer, floor; varnish-type (for wood and cork).....	TT-S-176
Shellac; orange.....	TT-S-271
Sienna; burnt and raw, dry (paint-pigment).....	TT-S-346
Stain; opaque, wood, exterior, oil.....	TT-S-706
Stain; wood, interior, non-bleeding.....	TT-S-711



PAINTS, PIGMENTS, VARNISHES AND PRODUCTS (Cont.)

Specification

Symbol

Thinner; lacquer.....	TT-T-266
Thinner; paint, volatile mineral spirits.....	TT-T-291
Thinner; synthetic-enamel.....	TT-T-306
Titanium-Dioxide; dry (paint-pigment).....	TT-T-425
Toluidine-Red-Toner; dry (paint-pigment).....	TT-T-562
Ultramarine-blue; dry (paint-pigment).....	TT-U-450
Umber, burnt and raw; dry (paint-pigment).....	TT-U-481
Varnish; asphalt.....	TT-V-51
Varnish; damar.....	TT-V-61
Varnish; interior.....	TT-V-71
Varnish; mixing (for) aluminum-paint.....	TT-V-81
Varnish, Rubbing; cabinet.....	TT-V-86
Varnish; shellac.....	TT-V-91
Varnish; spar, water-resisting.....	TT-V-121
Varnish; spirit (shellac varnish replacement).....	TT-V-130
Venetian-Red; dry (paint-pigment).....	TT-V-226
White-Lead; basic-carbonate, dry, paste-in-oil, and semipaste containing volatile-thinner.....	TT-W-251
White-Lead; basic-sulphate, dry and paste-in-oil.....	TT-W-261
Wood-Preservative; anthracene-oil (for) brush, spray, and open-tank treatment.....	TT-W-531
Wood-Preservative; celcure (acid-cupric-chromate).....	TT-W-546
Wood-Preservative; chromated-zinc-chloride.....	TT-W-551
Wood-Preservative; coal-tar creosote.....	TT-W-556
Wood-Preservative; coal-tar-creosote (crystal-free), (for) brush, spray, or open-tank treatment.....	TT-W-560
Wood-Preservative; creosote-coal-tar-solution.....	TT-W-566
Wood-Preservative; creosote-petroleum-solution.....	TT-W-568
Wood-Preservative; recommended treating practice.....	TT-W-571
Wood-Preservative; Wolman-salt (Tanalith).....	TT-W-573
Wood-Preservative; zinc-chloride.....	TT-W-576
Wood-Preservative; zinc-meta-arsenite (ZMA).....	TT-W-581
Yellow-Iron-Oxide; hydrated, synthetic, dry (paint-pigment)..<	TT-Y-216
Zinc-Dust (Metallic-Zinc-Powder); dry (paint pigment).....	TT-Z-291
Zinc-Oxide; dry and paste-in-oil.....	TT-Z-301
Zinc-Oxide; leaded, dry and paste-in-oil.....	TT-Z-321
Zinc-Yellow (Zinc-Chromate); dry (paint-pigment).....	TT-Z-415

PAPER AND PRODUCTS

Paper, kraft; concrete-curing, waterproofed.....	UU-P-264
Paper; sheathing, waterproof.....	UU-P-536
Wall-Board; composition.....	UU-W-101

PETROLEUM AND PRODUCTS

Kerosene.....	VV-K-211
Lubricant; chain and wire-rope.....	VV-L-751
Oil; cutting, mineral-fatty-oil-blend.....	VV-O-251
Oil; cutting, soluble.....	VV-O-261

PETROLEUM AND PRODUCTS (Cont.)

Specification

Symbol

Oil; fuel, (for) oil-burners.....	VV-O-326
Oil; illuminating, long-time-burning.....	VV-O-381
Oil; lubricating, turbine, dynamo, and high-speed steam engine	VV-O-661

PIPE, PIPE-FITTINGS, PLUMBING-FIXTURES, TUBES, AND TUBING (metallic)

Conduit; steel, flexible.....	WW-C-566
Conduit; steel, rigid, enameled.....	WW-C-571
Conduit; steel, rigid, zinc-coated.....	WW-C-581
Coupling; hose, cotton (rubber-lined) and linen (unlined)....	WW-C-621
Coupling; hose, garden and water.....	WW-C-623
Couplings; hose, oil-suction and discharge.....	WW-C-626
Couplings; hose, pneumatic and spray (for working pressures up to 150 pounds per square inch).....	WW-C-631
Couplings; hose, steam.....	WW-C-636
Couplings; hose, water-suction.....	WW-C-646
Flange-Dimensions, standard; (classes 125 and 250 cast-iron flanges; classes 150, 250, and 300 bronze-flanges) (for land use).....	WW-F-406
Nipples, pipe; brass, steel, and wrought-iron.....	WW-N-351
Pipe, Bends and Traps; lead (for) plumbing and water-distribution.....	WW-P-325
Pipe; brass, seamless, iron-pipe-size, standard and extra-strong.....	WW-P-351
Pipe, cast-iron; drainage, vent, and waste (threaded).....	WW-P-356
Pipe; copper, seamless, iron-pipe-size, standard.....	WW-P-377
Pipe and Pipe-Fittings; soil, cast-iron.....	WW-P-401
Pipe; steel and ferrous-alloy (for) bending, flanging, etc. (iron-pipe-size).....	WW-P-404
Pipe; steel and ferrous-alloy (for) ordinary uses (iron-pipe-size).....	WW-P-406
Pipe; water, cast-iron (bell and spigot, and bolted-joint)...	WW-P-421
Pipe; wrought-iron, welded, black and zinc-coated.....	WW-P-441
Pipe-Fittings; bronze (screwed), 125- and 250-pound.....	WW-P-460
Pipe-Fittings (brushings, plugs, and locknuts); bronze and ferrous, (screwed).....	WW-P-471
Pipe-Fittings; cast-iron, drainage.....	WW-P-491
Pipe-Fittings; cast-iron (screwed), 125- and 250-pound.....	WW-P-501
Pipe-Fittings; malleable-iron (screwed), 150-pound.....	WW-P-521
Plumbing-Fixtures; (for) land use.....	WW-P-541 15¢
Plumbing-Fixtures; (for) land use (Formed-Metal Plumbing-Fixtures).....	WW-P-542
Traps; radiator, thermostatic, brass or bronze low-pressure, 100 square-foot-size (for land use).....	WW-T-696
Tubes; boiler, charcoal-iron, lapwelded.....	WW-T-721
Tubes; boiler, steel.....	WW-T-731
Tubes; condenser and ferrule-stock, Admiralty-metal.....	WW-T-756

Specification

PIPE, PIPE-FITTINGS, PLUMBING-FIXTURES, TUBES, AND TUBING  
(metallic) (Cont.)

Symbol

Tubing, aluminum (AL-2); round, seamless.....	WW-T-783
Tubing, aluminum (AL-24) (Aluminum-copper-magnesium (1.5% manganese); round, seamless.....	WW-T-785
Tubing, aluminum-alloy (AL-17) (aluminum-copper, magnesium-manganese); round, seamless.....	WW-T-786
Tubing, aluminum-alloy (AL-52) (aluminum-magnesium-chromium); round, seamless.....	WW-T-787
Tubing, aluminum-alloy (AL-3) (aluminum-manganese), round, seamless.....	WW-T-788
Tubing, aluminum-alloy (AL-61) (aluminum-manganese-silicon); round, seamless.....	WW-T-789
Tubing, aluminum-alloy (AL-53), (aluminum-magnesium-silicon-chromium); round, seamless.....	WW-T-790
Tubing; brass, seamless.....	WW-T-791
Tubing; copper, seamless (for general use with I. P. S. flanged-fittings).....	WW-T-797
Tubing; copper, seamless (for use with soldered or flared-fittings).....	WW-T-799
Tubing; electrical, metallic.....	WW-T-806
Unions; brass or bronze, 250-pounds.....	WW-U-516
Unions; malleable-iron or steel, 250-pounds.....	WW-U-531
Unions; malleable-iron or steel, 300-pounds.....	WW-U-536
Valves, bronze; angle, check, and globe, 125- and 150-pound, screwed and flanged (for land use).....	WW-V-51
Valves, bronze, gate; 125- and 150-pound, screwed and flanged (for land use).....	WW-V-54
Valves, cast-iron, gate; 125- and 250-pound, screwed and flanged (for land use).....	WW-V-58
Valves, cylinder; oxygen (for standard and industrial cylinders).....	WW-V-61
Valves, radiator; air, thermostatic (gravity-steamheating-systems).....	WW-V-151

RUBBER AND RUBBER-GOODS

Cushion (underlay); carpet and rug, sponge-rubber.....	ZZ-C-811
Floor-Covering; rubber, sheet.....	ZZ-F-461
Hose; fire; cotton, rubber-lined.....	ZZ-H-451
Hose; gas (acetylene, air, hydrogen, and oxygen).....	ZZ-H-461
Hose; water, braided.....	ZZ-H-601
Hose; water, wrapped.....	ZZ-H-611
Mats, Floor; rubber, link-type.....	ZZ-M-46
Matting; rubber.....	ZZ-M-71
Matting; rubber (for use around electrical apparatus or circuits not exceeding 3,000 volts to ground).....	ZZ-M-81
Tile, floor, rubber.....	ZZ-T-301

TEXTILES (yardage)

Cloth; awning.....	CCC-C-406
Cloth; shade.....	CCC-C-521



TEXTILE PRODUCTSSymbol

Mats; cotton (for concrete-curing).....	DDD-M-148
Mats, door; fiber.....	DDD-M-156
Shades, window; rollers, slats, cords, and accessories.....	DDD-S-251

TOOLS

Adzes.....	GGG-A-151
Anvils; blacksmiths'.....	GGG-A-576
Awls.....	GGG-A-891
Axes.....	GGG-A-926
Bars; chisel, crow, pinch, and wrecking.....	GGG-B-101
Bits; screw-driver.....	GGG-B-376
Bits; woodboring; and chisels, mortising, hollow.....	GGG-B-383
Blades; hacksaw (hand).....	GGG-B-451
Braces; ratchet.....	GGG-B-671
Chisels, gouges, and slicks; woodworkers'.....	GGG-C-311
Clamps; and hand-screws.....	GGG-C-406
Coppers (irons); soldering.....	GGG-C-571
Countersinks; steel (carbon and high-speed).....	GGG-C-613
Cutlery; galley and kitchen.....	GGG-C-746
Cutters, glass; wheel type (for sheet-glass and round-gage-glass).....	GGG-C-751
Cutters; pipe.....	GGG-C-771
Drills; breast.....	GGG-D-651
Drills; hand.....	GGG-D-671
Frames; hack-saw.....	GGG-F-671
Gages; plug and ring, plain and thread.....	GGG-G-61
Goggles; eyecup, protective, impact-resisting (chippers', grinders', etc.).....	GGG-G-501
Goggles; eyecup, protective (welders').....	GGG-G-511
Goggles; rubber-frame.....	GGG-G-521
Hammers, mauls, and sledges.....	GGG-H-86
Hand-saw-sets.....	GGG-H-101
Hatchets.....	GGG-H-131
Helmets; babbitting.....	GGG-H-171
Helmets and masks; (for) abrasive-cleaning.....	GGG-H-201
Helmets and shields (hand-held); welders'.....	GGG-H-211
Hoes; garden and mortar.....	GGG-H-496
Hoes; Mattocks; and picks.....	GGG-H-506
Hooks; bush (brush).....	GGG-H-601
Hooks; grass (sickles).....	GGG-H-608
Irons; calking, wood.....	GGG-I-671
Jacks.....	GGG-J-51
Knives; linoleum, plumbers'-chipping, putty, scraping, and shoe	GGG-K-481
Ladles; plumbers'.....	GGG-L-51
Levels and plumbs.....	GGG-L-211
Nail-sets.....	GGG-N-71
Picks; ice.....	GGG-P-323
Pipe-threads; taper (American-National).....	GGG-P-351
Planes.....	GGG-P-436
Pliers and nippers.....	GGG-P-471



TOOLS (Cont.)Specification  
Symbol

Plumb-bobs.....	GGG-P-501
Pots, fire; gasoline and kerosene.....	GGG-P-596
Pullers; nail.....	GGG-P-791
Punches; bag, center, coopers' coppering, cutting, tanners', and drive-pin.....	GGG-P-831
Rakes; hand.....	GGG-R-96
Rules.....	GGG-R-791
Saws.....	GGG-S-61
Scissors and shears.....	GGG-S-101
Screw-drivers.....	GGG-S-121
Scribers; machinists'.....	GGG-S-131
Scythes and snaths.....	GGG-S-186
Sets-and-headers; rivet, hand.....	GGG-S-246
Shears; tanners', bench, and hand (snips).....	GGG-S-291
Shovels (scoops, spades, and spoons).....	GGG-S-326
Squares; carpenters', die-makers', and machinists'.....	GGG-S-656
Tapes; measuring, general-use.....	GGG-T-106
Torches, blow; hand.....	GGG-T-576
Tools; pipe-threading, hand.....	GGG-T-581
Trowels; plastering, cement, brick, and pointing.....	GGG-T-671
Vises.....	GGG-V-436
Wheelbarrows.....	KKK-W-291
Wrenches, bolt and nut; adjustable, open-end.....	GGG-W-631
Wrenches, bolt and nut; nonadjustable (open-end and box).....	GGG-W-636
Wrenches, bolt and nut; socket.....	GGG-W-641
Wrenches; pipe.....	GGG-W-651

WOOD PRODUCTS

Blinds; venetian, wood-slat.....	LLL-B-441
Carpet; cork.....	LLL-C-96
Charcoal.....	LLL-C-251
Fiber-Board; hard-pressed, structural.....	LLL-F-311
Fiber-Board; insulating.....	LLL-F-321
Floor-coverings; felt-backed.....	LLL-F-471
Insulation (redwood-bark, shredded).....	LLL-I-533
Ladders (extension, sectional, and straight); and Ladder-Shoes	LLL-L-51
Ladders; step.....	LLL-L-61
Linoleum; battleship.....	LLL-L-351
Linoleum; inlaid and molded.....	LLL-L-359
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